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## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims

 (Currently amended) In a plasma processing system, a method of removing a set of particles from a set of structures including vitrium oxide, comprising:

exposing said set of structures to a first solution including an oxidizer for a first period, wherein said step of exposing said set of structures to said first solution including an oxidizer for a first period includes mechanically rubbing said set of structures with an abrasive pad;

removing said set of structures from said first solution;

exposing said set of structures to a second solution including a keytone ketone reagent for a second period:

removing said set of structures from said second solution; and mechanically rubbing a surface of said set of structures with a third solution including a first set of acids for a third period

 (Previously presented) The method of claim 1, further including the steps of: exposing said set of structures to a fourth solution including a second set of acids for a fourth period; and

exposing said set of structures to a fifth solution including a first set of alkalines for a fifth period.

## (Canceled)

 (Original) The method of claim 2, wherein said step of removing said set of structures from said first solution further includes rinsing said set of structures with de-tonized water. Application No. 10/666,331 Amendment A in response to Office Action mail 03/12/2007 Attorney Docket No. LMRX-P023/P1130 Page 5

- (Original) The method of claim 4, further including drying said set of structures with a filtered inert gas.
- (Original) The method of claim 5, wherein said filtered inert gas comprises nitrogen.
- (Original) The method of claim 2, wherein said step of exposing said set of structures to said second solution for a second period further includes cleaning said set of structures ultrasonically.
- (Original) The method of claim 2, wherein after said step of exposing said set of structures in said second solution for a second period, said set of structures are rinsed and mechanically rubbed with an alcohol.
- (Original) The method of claim 2, wherein said step of removing said set of structures from said second solution further includes rinsing said set of structures with designized water.
- (Original) The method of claim 9, further including drying said set of structures with a filtered inert gas.
- (Original) The method of claim 10, wherein said filtered inert gas comprises nitrogen.
- (Currently amended) The method of claim 11, wherein seid a step of removing said set of structures from said third solution further includes rinsing said set of structures with de-ionized water.
- (Original) The method of claim 12, further including drying said set of structures with a filtered inert gas.

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- (Original) The method of claim 13, wherein said filtered inert gas comprises nitrogen.
- 15. (Currently amended) The method of claim 2, wherein said a step of removing said set of structures from said forth solution further includes rinsing said set of structures with de-ionized water.
- (Original) The method of claim 15, further including drying said set of structures with a filtered inert gas.
- (Original) The method of claim 16, wherein said filtered inert gas comprises nitrogen.
- 18. (Currently amended) The method of claim 11, wherein said a step of removing said set of structures from said fifth solution further includes rinsing said set of structures with de-ionized water.
- (Original) The method of claim 15, further including drying said set of structures with a filtered inert gas.
- (Original) The method of claim 16, wherein said filtered inert gas comprises nitrogen.
- 21. (Original) The method of claim 2, wherein said oxidizer comprises H<sub>2</sub>O<sub>2</sub>.
- (Currently amended) The method of claim 2, wherein said second first solution comprises H-O<sub>2</sub>.
- (Currently amended) The method of claim 22, wherein said H<sub>2</sub>O<sub>2</sub> comprises from about 10% to about 30% of said second first solution.

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- (Currently amended) The method of claim 22, wherein said H<sub>2</sub>O<sub>2</sub> comprises from about 20% to about 30% of said second first solution.
- (Currently amended) The method of claim 22, wherein said H<sub>2</sub>O<sub>2</sub> comprises about 30% of said second first solution.
- (Original) The method of claim 2, wherein said first period comprises 30 minutes
- (Currently amended) The method of claim 2, wherein said keytone ketone reagent comprises acetone.
- (Original) The method of claim 2, wherein said second period comprises 5
  minutes.
- (Currently amended) The method of claim 2, wherein said third solution comprises H<sub>2</sub>O<sub>2</sub>
- (Original) The method of claim 2, wherein said first set of acids comprises

  HF.
- (Original) The method of claim 30, wherein said HF comprises from about
   to about 33% of said third solution.
- 32. (Original) The method of claim 30, wherein said HF comprises from about 2% to about 25% of said third solution.
- (Original) The method of claim 30, wherein said HF comprises of about 2% of said third solution.
- (Withdrawn) The method of claim 2, wherein said first set of acids comprises HNOs.

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- (Withdrawn) The method of claim 34, wherein said HNO; comprises from about 2% to about 33% of said third solution.
- (Withdrawn) The method of claim 34, wherein said HNO<sub>3</sub> comprises from about 2% to about 25% of said third solution.
- (Withdrawn) The method of claim 34, wherein said HNO<sub>3</sub> comprises of about 2% of said third solution.
- (Original) The method of claim 2, wherein said third period comprises 1 minute.
- (Currently amended) The method of claim 2, wherein said fourth third solution comprises H<sub>2</sub>O.
- 40. (Original) The method of claim 2, wherein said second set of acids comprises CH-COOH
- (Previously presented) The method of claim 40, wherein said CH<sub>3</sub>COOH comprises from about 2% to about 10% of said fourth solution.
- (Previously presented) The method of claim 40, wherein said CH<sub>2</sub>COOH comprises from about 2% to about 6% of said fourth solution.
- (Previously presented) The method of claim 40, wherein said CH<sub>3</sub>COOH comprises of about 4% to about 5% of said fourth solution.
- 44. (Previously presented) The method of claim 2, wherein said fourth period is about 10 minutes.
- 45. (Canceled)

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- (Original) The method of claim 2, wherein said first set of alkalines comprises NH<sub>4</sub>OH.
- (Original) The method of claim 46, wherein said NH<sub>4</sub>OH comprises from about 8% to about 33% of said fifth solution.
- 48. (Original) The method of claim 46, wherein said NH<sub>4</sub>OH comprises from about 6% to about 33% of said fifth solution.
- (Original) The method of claim 46, wherein said NH<sub>4</sub>OH comprises of about 25% of said fifth solution.
- (Currently amended) The method of claim 2, wherein said forth fifth solution comprises H<sub>2</sub>O<sub>2</sub>
- 51. (Original) The method of claim 50, wherein said H<sub>2</sub>O<sub>2</sub> comprises from about 8% to about 33% of said fifth solution
- (Original) The method of claim 50, wherein said H<sub>2</sub>O<sub>2</sub> comprises from about 6% to about 33% of said fifth solution
- (Original) The method of claim 50, wherein said H<sub>2</sub>O<sub>2</sub> comprises of about 25% of said fifth solution.
- (Previously presented) The method of claim 2, wherein said fifth period is about 10 minutes
- 55. (Withdrawn) In a plasma processing system, a method of removing a set of particles from a set of structures including yttrium oxide, comprising:
- exposing said set of structures to a first solution including a keytone reagent for a first period;

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removing said set of structures from said first solution;

exposing said set of structures to a second solution including an oxidizer for a second period:

removing said set of structures from said second solution; and mechanically rubbing a surface of said set of structures with a third solution including a first set of acids for a third period.

56. (Withdrawn) The method of claim 55, further including the steps of: exposing said set of structures to a fourth solution including a second set of acids for a fourth period; and

exposing said set of structures to a fifth solution including a first set of alkalines for a fifth period.

57. (Withdrawn) In a plasma processing system, a method of removing a set of particles from a set of structures including yttrium oxide, comprising:

exposing said set of structures to a first solution including an oxidizer for a first period;

exposing said set of structures to a second solution including a first set of alkalines with said oxidizer for a second period;

removing said set of structures from said second solution; and mechanically rubbing a surface of said set of structures with said third solution including a first set of acids for a third period.

58. (Withdrawn) The method of claim 57, further including the step of exposing said set of structures to a solution including a second set of acids for a fourth period.